

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dan Tanner on June 02, 2009.

This Examiner Amendment replaces the previous Examiner Amendment mailed on May 14, 2009

The application has been amended as follows:

1. (Currently Amended) A reflective image display medium comprising:
a display substrate having a first side and a second side;
a back substrate;
an electrode formed on the first side;
a spacer for forming a gap between the display substrate and the back substrate;
two kinds of particles differing in color and charging polarity sealed between the display substrate and the back substrate, the two kinds of particles respectively having recursive reflectivity and black particles; and
a filter of plural colors for transmitting light of a specific wavelength, wherein the filter is formed on the second side, the filter containing dispersed colored fine particles,
and

wherein the filter is divided into plural chromatic regions and plural achromatic regions, the achromatic regions being configured to transmit a reflected light reflected by one kind of the particles to an outside of the reflective image display medium.

4. (cancelled).

6. (cancelled).

16. (Currently Amended) A reflective image display device comprising:

a display substrate having a first side and a second side;

a back substrate;

an electrode formed on the first side;

a filter of plural colors formed on the second side, wherein the filter is divided into plural chromatic regions and plural achromatic regions, the achromatic regions being configured to transmit a reflected light reflected by one kind of the particles to an outside of the reflective image display device, the filter containing dispersed colored fine particles;

a spacer for forming a gap between the display substrate and the back substrate;

two kinds of particles differing in color and charging polarity sealed between the display substrate and the back substrate, the two kinds of particles respectively having recursive reflectivity and black particles;

irradiating means for emitting a white light inside from the display substrate side;
and spectral means disposed between the irradiating means and the display substrate.

17. (Currently Amended) A reflective image display method for displaying an image by using a display medium comprising a display substrate having a first side and a second side, a back substrate, an electrode formed on the first side, a spacer for forming a gap between the display substrate and the back substrate, two kinds of particles differing in color and charging polarity sealed between the display substrate and the back substrate, the two kinds of particles respectively having recursive reflectivity and black particles, and a filter of plural colors for transmitting light of a specific wavelength formed on the second side, the filter contains dispersed colored particles, wherein the filter is divided into plural chromatic regions and plural achromatic regions, the achromatic regions being configured to transmit a reflected light reflected by one kind of the particles to an outside of the reflective image display medium, and wherein the light of specific wavelength passing through the filter of plural colors is reflected in part or in whole by one of the two kinds of particles to display a color of a first tone, and the light of specific wavelength is absorbed in part or in whole by the other of the two kinds of particles to display a color of a second tone different from the first tone, thereby displaying an image.

18. (Currently Amended) A reflective image display medium comprising:
a display substrate having a first side and a second side;
a back substrate;
an electrode formed on the first side;
a spacer for forming a gap between the display substrate and the back substrate;

two kinds of particles differing in color and charging polarity sealed between the display substrate and the back substrate, the two kinds of particles respectively having recursive reflectivity and black particles; and

a filter of plural colors for transmitting light of a specific wavelength, the filter contains dispersed colored particles, wherein the filter is formed on the second side,

wherein the filter is divided into plural chromatic regions and plural achromatic regions, the achromatic regions being configured to transmit a reflected light reflected by one kind of the particles to an outside of the reflective image display medium, and

wherein the light of specific wavelength passing through the filter of plural colors is reflected in part or in whole by one of the two kinds of particles to display a color of a first tone, and the light of specific wavelength is absorbed in part or in whole by the other of the two kinds of particles to display a color of a second tone different from the first tone, thereby displaying an image.

19. (currently amended) A reflective image display medium comprising:

a display substrate;

a back substrate;

a plurality of first particles having recursive reflectivity, which are sealed between the display substrate and the back substrate, configured to reflect light and to move to a display substrate side due to an electric field; and

a plurality of second particles sealed between the display substrate and the back substrate, the second particles having substantially black color and configured to move

Art Unit: 2629

to the back substrate side as the first particles move to the surface of the display substrate side: and

a filter, containing dispersed colored fine particles, which is disposed in the display substrate side, having a chromatic region and an achromatic region, the achromatic region being configured to transmit a reflected light reflected by the first particles to an outside of the reflective image display medium.

20. (Cancelled)

Reason for Allowance

2. Applicant's arguments (see pages 1-4 of the Remarks) filed on April 27, 2009, with respect to claims 1-3, 5, 7-10, 12-19 and 21-29 have been fully considered and are persuasive. The Final Rejection dated January 26, 2009 has been withdrawn.

3. The following is an examiner's statement of reasons for allowance:

Claims 1-3, 5, 7-10, 12-19 and 21-29 are allowable for the reasons argued by Applicants in the Remarks filed on April 27, 2009

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUC Q. DINH whose telephone number is (571)272-7686. The examiner can normally be reached on Mon-Fri from 8:00.AM-4:00.PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AMR A. AWAD can be reached on (571)272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Duc Q Dinh/

Primary Examiner, Art Unit 2629